



# IO-Link master

IO-Link master for control cabinet  
with IoT connection

- Separation of automation and IT network protects the installation from unauthorised access from outside
- Product versions enable simple connection to all common fieldbuses
- Easy parameter setting of master and devices using [moneo|configure free](#)



IP20



**ifm** – close to you!

Description	Order no.
PROFINET + IoT 8 ports	<b>AL1901</b>
EtherNet/IP + IoT 8 ports	<b>AL1921</b>
EtherCat + IoT 8 ports	<b>AL1930</b>
Modbus TCP + IoT 8 ports	<b>AL1940</b>
Powerlink + IoT 8 ports	<b>AL1970</b>
IoT only 8 ports	<b>AL1950</b>

Technical data	
Voltage supply	[A] 3.9 (US)
IoT port	HTTP(S), JSON, MQTT
Output power	[mA] 300
Electrical connections	cage clamps
Cabinet Protection rating housing	IP20 polyamide

### Secure exchange between OT and IT level

Even in the modern world of Industry 4.0, securing your system infrastructure against external influences is a top priority. The IoT-enabled IO-Link master modules act as decentralised gateways in the automation network and forward the data from the connected sensors to the fieldbus. The connection to the IT level is made via a separate IoT Ethernet socket. The data is transmitted via the established TCP/IP JSON interface. This allows you to process relevant process data in the IT level and in ERP systems while maintaining the safety of your installation.

### Convenient parameter setting using moneo|configure free

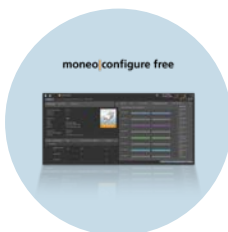
The intuitive **moneo|configure free** software automatically detects your entire IO-Link infrastructure and arranges it in the defined tree structure in a clear manner. Masters and sensors are displayed with their respective parameters and can be managed centrally in the software.

### Easy sensor connection

The sensors and actuators are connected via standard M12 connection cables without screening. The connection cables are fixed via removable cage clamps on the IO-Link master. Up to 8 IO-Link sensors can be connected and supplied with a total of up to 3.6 A. The cable can be up to 20 m long.

## BEST FRIENDS

We reserve the right to make technical alterations without prior notice. · 11.2023  
 ifm electronic gmbh · Friedrichstr. 1 · 45128 Essen



**moneo|configure free**  
Software for parameter setting of the IO-Link infrastructure



**Ethernet modules**  
Transmit digital sensor data from the field to the fieldbus



**Ethernet adapter**  
M12 / RJ45



For further technical details, please visit:  
[ifm.com/fs/AL1901](http://ifm.com/fs/AL1901)